

Title (en)  
Digital data transmission system having error detecting and correcting function

Title (de)  
Digitales Datenübertragungssystem mit Fehlererkennung und Fehlerkorrektur

Title (fr)  
Système de transmission de données numériques avec détection et correction d'erreur

Publication  
**EP 0415853 B1 19971119 (EN)**

Application  
**EP 90402414 A 19900831**

Priority  
JP 22585589 A 19890831

Abstract (en)  
[origin: EP0415853A2] An error correction code of the product sign format is added to the input information data to form coded data. The coded data are then NRZI converted and recorded onto a record medium together with identification data of a predetermined data pattern. Error detecting and correcting processing is executed with reproduction data obtained from the record medium to reproduce the data recorded on the record medium. The device comprises an NRZI converting circuit for outputting the information data as they are without NRZI converting the same but for NRZI converting the coded data using the last bit of the identification data as an initial value, and a memory controlling circuit (501) for controlling writing and reading of a memory, which is provided to convert the reproduction data from a series of inner codes into another series of outer codes, so that write address information for the memory which is obtained from the reproduction data may be compensated for when it is not obtained properly and outer code error detecting and correcting processing may be executed in a trouble-free way.

IPC 1-7  
**G11B 20/14**; **G11B 20/18**; **H03M 13/00**

IPC 8 full level  
**G11B 20/14** (2006.01); **G11B 20/18** (2006.01); **H03M 13/29** (2006.01); **H04L 25/49** (2006.01)

CPC (source: EP KR US)  
**G11B 20/1426** (2013.01 - EP US); **G11B 20/18** (2013.01 - KR); **G11B 20/1809** (2013.01 - EP US); **H03M 13/1515** (2013.01 - EP US); **H03M 13/251** (2013.01 - EP US); **H03M 13/253** (2013.01 - EP US); **H03M 13/29** (2013.01 - EP US); **H03M 13/2909** (2013.01 - EP US); **H03M 13/293** (2013.01 - EP US); **H03M 13/3738** (2013.01 - EP US); **G11B 2020/1434** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0415853 A2 19910306**; **EP 0415853 A3 19930728**; **EP 0415853 B1 19971119**; CA 2024344 A1 19910301; CA 2024344 C 19991214; DE 69031725 D1 19980102; DE 69031725 T2 19980326; JP 2870843 B2 19990317; JP H0391167 A 19910416; KR 100220499 B1 19990915; KR 910005275 A 19910330; US 5192949 A 19930309

DOCDB simple family (application)  
**EP 90402414 A 19900831**; CA 2024344 A 19900830; DE 69031725 T 19900831; JP 22585589 A 19890831; KR 900013596 A 19900831; US 57537790 A 19900830